

### **ABSTRACT OF THE DISCLOSURE**

A mixing device for use with a manifold in an injection molding apparatus. The mixing device has a body which has a melt channel therethrough. The melt channel has a plurality of increasing sections which have an increasing cross-sectional area in a downstream direction, and a  
5 number of decreasing sections which have a decreasing cross-sectional area in a downstream direction. The increasing and decreasing sections alternate with each other.